POWER GRID COMPANY OF BANGLADESH LTD. QF-LDC-07

SUMMARY OF DAILY ELECTRICITY GENERATION

Month : Jul-2014 Day : Friday Date : 25-Jul-14

Probable Maximum Generation : (a) At Day Peak Hour : **5624** MW (b) At Evening Peak Hour : **7470** MW

Water Level of Kaptai Lake at 06:00 AM (ft) (a) Yesterday : **85.48** (b) Today: **85.30** (c) Rule Curve: **87.84**

Sl.	Name of the Power Station	Fuel	Producer	Installed Capacity		Derated/ Present Capacity	Actual Generation On 24-Jul-14 Day Peak	Actual Generation On 24-Jul-14 Ev. Peak	Available Generation On 25-Jul-14 Day Peak	Available Generation On 25-Jul-14 Ev. Peak	Ev. Peak Gen. Shortage for Fuel Limitation	Ev. Peak Gen. Shortage for Plants S/D or M/C prob.	Plants under Shut down (Date) / Remarks	Probable Start up Date
					MW	MW	MW	MW	MW	MW	MW	MW		
1a	Ghorasal ST: Unit-1, 2	Gas	PDB	2X55	110	85	90	90	90	90				
1b	Ghorasal ST: Unit-3	Gas	PDB	1x210	210	170	100	100	100	100		70		
1c	Ghorasal ST: Unit-4	Gas	PDB	1x210	210	180	180	180	180	180				
1d	Ghorasal ST: Unit-5	Gas	PDB	1x210	210	190	170	170	170	170		20		
1e	Ghorasal ST: Unit-6	Gas	PDB	1x210	210	190	0	0	0	0		190	#6 (18/07/2010)	Long term maint.
2	Ghorashal 100MW(Aggreko)	Gas	QRPP	128X0.85	100	100	99	102	100	100				
3	Ghorashal 45 MW (Aggreko)	Gas	QRPP	58X0.85	45	45	46	46	46	45				
4	Ghorashal 78.5 MW (MAX)	Gas	QRPP	4x21.5	78	78	0	0	0	0			ot date expired 26/05/14, Long ter	
5	Ghorashal (Regent)	Gas	IPP	3x43.35			101	104	101	104			On test	
6	Haripur GT: Unit-1, 2, 3	Gas	PDB	3x32	96	60	0	0	0	0	40	20	#1&#2(22/10/13),#3(18/6/05)	#3 long term maint.
7	Haripur 412 MW CCPP	Gas	EGCB	1x273+1x139	412	412	439	419	437	412				
8	Haripur NEPC (HFO)	HFO	IPP	8x15	110	110	95	110	95	110				
9	Haripur Power CCPP	Gas	IPP	1*235+1*125	360	360	213	232	307	300	128			
10	Meghnaghat CCPP	Gas	IPP	2x150+1*150	450	450	0	0	0	0		450	21/04/2014	Long term maint.
11	Meghnaghat (IEL)	HFO	RPP	12x8.9	100	100	89	88	75	92		12	1 Engine problem	
12	Meghnaghat CCPP(Summit)	HSD	IPP	2x110+1x110	203	203	169	150	0	203				
13	Madanganj (Summit)	HFO	QRPP	6x17	102	100	80	95	0	95		5	Engine problem.	
14	Keraniganj (Powerpac)	HFO	RPP	8x13.45	100	100	100	100	100	100				
15	Karshingdi (Doreen)	Gas	SIPP.REB	8X2.90	22	22	15	15	12	15		7	Synchronized at 33KV, 2 Engine problem	
16a	Siddhirgonj ST	Gas	PDB	1x210	210	150	105	110	0	110	40			
16b	Siddhirgonj GT: Unit-1& 2	Gas	EGCB	2x105	210	210	0	0	40	40	210			
17	Siddhirganj (Desh)	HSD	QRPP	96x1.2	96	98	20	74	0	85		24	24 Engine problem	
18	Siddhirganj (Dutch Bangla)	HFO	RPP	12x8.9	100	100	75	84	0	84		16	2 Engine problem	
19	Fagla (DPA)	HSD	QRPP	10X0.5	50	50	41	40	42	40			Contract date expired	
20	Gagnagar (Orion)	HFO	IPP	12*8.924	102	102	102	102	7	102				
21	Summit Power, Dhaka	Gas	SIPP.REB	97+2*6.97+14*	146	146	101	116	116	116			Synchronized at 33KV	
22	Gazipur (RPCL)	HFO	IPP	6x8.9	52	52	43	52	32	52				
23	Tongi GT	Gas	PDB	1X 105	105	105	0	0	0	0	105			
	Dhaka Area Total				*4199*	*3968*	*2473*	*2579*	*2050*	*2745*	*523*	*814*		
24a	Chittagong ST: Unit-1	Gas	PDB	1x210	210	180	110	110	110	110	70			
24b	Chittagong ST: Unit-2	Gas	PDB	1x210	210	180	110	110	110	110	70			
25	Raozan 25 MW (RPCL)	HFO	IPP	3x8.9	25	25	26	26	0	25				
26	Patenga 50MW (Barakatulla	HFO	IPP	8x6.89	50	50	14	48	36	48				
27	Kaptai Hydro: Unit-1,2,3,4, 5	Hydro	PDB	2X40, 3X50	230	230	35	187	40	187				
28a	Sikalbaha ST	Gas	PDB	1X60	60	40	0	0	0	0		40	03/07/14	Unknown
28b	Sikalbaha Peaking GT	Gas	PDB	1x150	150	150	0	0	0	0	150		29/06/2014	Unknown.
29	Sikalbaha (Energis)	HFO	RPP				17	25	26	25				
30	Hathazari peaking	HFO	PDB	11x8.9	98	98	0	96	0	96				
31	Bohazari-Kalaish Peaking	HFO	PDB	6x17	102	102	0	85	0	85		17	1 Engine problem	
32	Juldah (Acorn)	HFO	QRPP	8x13.45	100	100	92	92	92	92		8		
33	Barabkunda (Regent)	Gas	SIPP.PDB	8X2.90	22	22	19	19	17	19		3	Synchronized at 33KV, 1 Engine problem	
34	Malancha, Ctg. EPZ (United)	Gas					9	31	15	31				
	Chittagong area Total				*1257*	*1177*	*432*	*829*	*446*	*828*	*290*	*68*		
35a	Ashuganj ST: Unit- 1 & 2	Gas	APSCL	2x64	128	97	90	90	90	90				
35b	Ashuganj ST: Unit- 3	Gas	APSCL	1x150	150	135	130	130	130	130				
35c	Ashuganj ST: Unit- 4	Gas	APSCL	1x150	150	129	140	140	140	140				
35d	Ashuganj ST: Unit- 5	Gas	APSCL	1x150	150	134	130	130	130	130				
35e	Ashuganj CCPP: GT-2	Gas	APSCL	1x56	56	40	40	20	40	40				
35f	Ashuganj Engines	Gas	APSCL	14x3.968	53	45	39	42	39	42		3	2 Machine problem	
36	Ashuganj (Precision)	Gas	RPP	15x4	55	55	49	52	52	52		8	1 Machine problem	
37	Ashuganj (Aggrekko)	Gas	QRPP	82x1.1	80	80	80	82	81	80				
38	Ashuganj (United)	Gas	QRPP	14x4	53	53	53	53	53	53				
39	Ashuganj (Midland)	Gas	IPP	6x9.34	51	51	52	50	52	50				
40	Brahmanbaria (Aggreko)	Gas	QRPP	72x1.10	70	70	70	70	70	70				
41	Titas (Daudkandi) Peaking	HFO	PDB	6x8.92	52	52	0	48	0	48				
42	Chandpur CCPP	Gas	PDB	1x106+1x57	163	163	161	160	160	160				
43	Feni (Doreen)	Gas	SIPP.PDB	8X2.90	22	22	15	18	18	18		4	1 Machine problem	
44	Feni, Mohipal (Doreen)	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV , 1 Machine problem	
45	Jangalia (Summit)	Gas	SIPP.PDB	4X8.73	33	33	33	34	0	33			Synchronized at 33KV	
46	Summit Power, Comilla	Gas	SIPP.REB	3x3.67+2x6.97	25	25	9	16	0	16		9	Synchronized at 33KV, 3 Engine problem	
	Comilla Area Total				*1302*	*1195*	*1099*	*1143*	*1063*	*1160*	*0*	*27*		
47	RPCL CCPP	Gas	IPP	4X35+1x70	210	202	120	119	126	126	83			
48	Tangail (Doreen)	Gas	SIPP. PDB	8X2.90	22	22	22	20	22	22		2	Synchronized at 33KV	
	Mymensingh Area Total				*232*	*224*	*142*	*139*	*148*	*148*	*83*	*0*		
49a	Fenchugonj CCPP-1	Gas	PDB	2x32+1x33	97	80	72	71	73	73				
49b	Fenchugonj CCPP-2	Gas	PDB	2x35+1x35	104	90	50	74	74	74		16		
50	Fenchugonj (Barakatullah)	Gas	RPP	19X2.90	51	51	46	53	50	51				
51	Fenchuganj (Energyprima)	Gas	RPP	12x3.3+5x2	44	44	50	46	46	44				
52	Hobiganj (Confidence-EP)	Gas	SIPP, REB	4X2.90	11	11	8	8	11	11			Synchronized at 33KV	
53	Shahjibazar GT: Unit- 8, 9	Gas	PDB	2X35	70	66	66	62	65	65				
54	Shahjibazar (Shahjibazar)	Gas	RPP	32X2.90	86	86	80	83	81	83				
55	Shahjibazar (Energyprima)	Gas	RPP	27X2.0	50	50	30	47	48	47				
56	Sylhet 150 MW GT	Gas	PDB	1X142	142	142	128	123	127	123				
57	Sylhet 20 MW GT	Gas	PDB	1X20	20	20	19	19	20	19				
58	Sylhet (Energyprima)	Gas	RPP	27X2	50	50	42	45	41	45		5	3 Machine problem	
59	Shahjahanulla 25MW	Gas	CIPP. REB	3x9.34	25	25	16	25	19	25				
60	Sylhet (Desh)	Gas	RPP	6X1.95	10	10	8	7	7	7		3	2 Engine problem	
	Sylhet Area Total				*760*	*725*	*615*	*663*	*662*	*667*	*0*	*24*		
61	Bheramara GT: Unit- 1, 2 ,3	HSD	PDB	3X20	60	46	0	46	0	46				
62	Bheramara (Quantum)	HSD	RPP	7X8.5+2X6+2X4	105	105	0	0	0	0		105	16 Engine problem	Long term maint.
63	Bheramara HVDC Interconnector		India		500	500	406	340	400	332				
64a	Khulna ST 110MW	HFO	PDB	1X110	110	55	0	0	0	0		55	20/7/14	Unknown
64b	Khulna ST 60 MW	HFO	PDB	1X60			0	0	0	0			Plant retired in FY 2013-2014	
65	Khulna (KPCL-1)	HFO	IPP	19x6.5	110	110	101	100	23	110				
66	Khulna (KPCL-2)	HFO	QRPP	7x17	115	115	99	115	70	115				
67	Faridpur Peaking	HFO	PDB	8x6.89	54	54	0	41	0	41		13	2 Engine problem	
68	Khulna 150MW GT	HSD	NWZPGCL	1x150	158	158	110	158	100	158				
69	Gopalganj Peaking	HFO	PDB	16x6.98	109	109	0	68	0	68		41	6 Engine problem	
70	Noapara (Quantam)	HFO	RPP	9.9+6x9.5+2x9	101	101	0	0	0	0		101	13 Engine problem	Long term maint.
71	Noapara (Khanjahan Ali)	HFO	QRPP	5x8.5	40	40	32	32	32	32		8	1 Engine problem	
										0				
72	Khulna (Aggreko) 55MW	HSD	QRPP	71X0.85	55	55	0	53	0	52			Contract date expired	
	Khulna Area Total				*1517*	*1448*	*748*	*953*	*625*	*954*	*0*	*323*		
73	Barisal GT: Unit-1, 2	HSD	PDB	2X20	40	30	15	29	0	29				
74	Bhola (Venture)	Gas	RPP	1X34.50	33	33	23	34	22	34				
	Barisal Area Total				*73*	*63*	*38*	*63*	*22*	*63*	*0*	*0*		
75a	Baghabari GT	Gas	PDB	1X71	71	71	69	68	69	68				
75b	Baghabari GT	Gas	PDB	1X100	100	100	98	90	96	90				
76	Baghabari Peaking	HFO	PDB	6x8.9	52	52	0	48	0	48		4	Engine problem	
77	Westmont GT, Baghabari	Gas	IPP				0	0	0	0			*Plant Retired in FY 2013-2014*	
78	Bera Peaking	HFO	PDB	9x8.29	71	71	0	71	0	71				
79	Amnura	HFO	QRPP	7x7.79	50	50	6	41	0	42				
80	Katakhali (Northern)	HFO	QRPP	6x8.92	50	50	8	50	50	50				
81	Katakhali Peaking	HFO	PDB	6x8.7	50	50	0	44	0	44		6		
82	Sirajganj CCPP	Gas	NWPGCL	1x150+1x75	142	142	140	211	211	211				
83	Santahar Peaking	HFO	PDB	6x8.7	50	50	0	46	0	46				
84	Bogra (GBB)	Gas	RPP	6X4	20	22	17	14	18	14		8	2 Machine problem	
85	Bogra (Energyprima)	Gas	RPP	5x3.3+5x2	20	20	17	17	14	17		8	2 Machine problem	
86	Ullapara (Summit)	Gas	SIPP.REB	4X2.90	11	11	8	8	8	8		3	Synchronized at 33KV, 1 Machine problem	
87	Rajlanka 52 MW	HFO	IPP	6X8.92	52	52	44	52	52	52				
	Rajshahi Area Total				*739*	*741*	*407*	*760*	*518*	*761*	*0*	*29*		
88a	Barapukuria ST: Unit-1	Coal	PDB	1x125	125	100	80	80	0	0		20	25/07/14	26/07/14
88b	Barapukuria ST: Unit-2	Coal	PDB	1x125	125	100	90	90	90	90		10		
89	Rangpur GT	HSD	PDB	1X20	20	20	0	12	0	12		5		
90	Syedpur GT	HSD	PDB	1X20	20	20	0	17	0	17		3		
91	Thakurgaon (RZ)	HSD	RPP	20X1.5+21X1.1	47	40	0	22	0	25		18	10 Engine problem	
	Rangpur Area Total				*337*	*280*	*170*	*221*	*90*	*144*	*0*	*56*		
	Total				**10416**	**9821**	**6124**	**7350**	**5624**	**7470**	**896**	**1341**		

Useable load at Substation end after deducting Auxiliary use & Transmission loss 5696 6781 5231 6948

A. 24-Jul-14 (Yesterday) Thursday

1	Highest Generation :	**7350.0** MW at **21:00** hrs	11. Evening Peak Hour :	**21:00** hrs.
2	Minimum Generation :	**5395.0** MW at **7:00** hrs	12 Max. Demand (Generation end) at evening peak hour :	**7350** MW
3	Day peak Generation :	**6124.0** MW at **10:00** hrs	13 Max. Demand (Substation end) at evening peak hour :	**6781** MW
4	Evening peak Generation :	**7350.0** MW at **21:00** hrs	14 Load Shed (Substation end) at evening peak hour :	**0** MW
5	Total Energy Generation	**151.91** MKWHr	15. Area wise Demand (S/S end), Supply (S/S end) &	16 Hourly Load Shed during
	By Gas: 99.06 MKWHr	By Oil: 38.09 MKWHr	Load Shed (S/S end) at Evening peak hour in MW :	Evening Peak hours :
	By Coal: 3.90 MKWHr	By Hydro: 1.62 MKWHr		
6	Generation Shortfall :	For Gas: 896 MW For Oil: 0 MW		
		For Water Shortage: **0** MW		
		For Plants S/D or M/C prob: 1341 MW		
7	Total Gas Supplied :	**937.63** MMCFD		
8	Fuel Cost :	i) Gas : Taka 87177595 i) Oil : Taka 502551530		
		iii) Coal : Taka 15194936 Total Taka 604924061		
9	Export Through E-W Interconnectors :	i) Energy 7.867 MKWHr.		
	ii) During Peak Demand :	**-220** MW at 21:00 hrs		
	iii) Maximum :	-120 MW at 15:00 hrs		
10	Maximum Temperature in Dhaka was	**32.5° C**		

Area	Demand	Supply	Loadshed (Duration)
Dhaka	2765	2765	0
Chittagong	676	676	0
Khulna	764	764	0
Rajshahi	740	740	0
Comilla	523	523	0
Mymensingh	418	418	0
Sylhet	344	344	0
Barisal	152	152	0
Rangpur	399	399	0
Total	6781	6781	0

Time	Loadshed MW
Hour	
18:00	0
18:30	0
19:00	0
19:30	0
20:00	0
21:00	0
22:00	0
23:00	0

B. 25-Jul-14 (Today) Friday Probable max. temperature in Dhaka **32.5° C**

Forecast

1	Maximum Demand (Generation end)	**7400**	MW	
2	Maximum Generation (Generation end)	**7470**	MW	
3	Shortage (Generation end)	**-70**	MW	
4	Total Energy Generation	**152**	MKWHr	
5	Actual Minimum Generation up to 8:00 hrs.	**5292**	MW at	**7:00**

6 Total Load Shed forecast (Substation end) : 0 MW

7 Area wise Load Shed forecast (Substation end) :

Dhaka	Chittagong	Khulna	Rajshahi	Comilla	Mymensing	Sylhet	Barisal	Rangpur
MW	MW	MW	MW	MW	MW	MW	MW	MW
0	0	0	0	0	0	0	0	0

* Import Through HVDC C/B Interconnector : i) Energy 9.231273 MKWHr.

ii) During peak Demand : 406 MW at 21:00 hrs

iii) Maximum : 407 MW at 1:00 hrs

Cost for HVDC energy is not usuually included in the total fuel cost.

Sub Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division